Pre-Configuration Document

NuCor - NextGen

**Document Control**

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# Introduction

This document describes the Common Logging Deployment approach to be used within the *NextGen* Project.

## scope

The scope of this document is to describe the deployment process for Common Logging.

The technical scope includes:-

* SOA suite components
* PL/SQL Components

## Document References

| Ref. No | Document Name |
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# DEPLOYMENT

## SOURCE CODE

|  |  |
| --- | --- |
| Component NAME | TYPE |
| CommonLogging | SOA Composite |
| EmailNotification | SOA Composite |
| COMM\_AUDIT\_LOG | PL-SQL |
| AuditLog | ADF Application |

## Deploy Application

1. **Create User in Database**
   1. Create user “xxnuc\_logging” in database with access to create\drop tables, views, type, procedure, package, sequence etc.
   2. Provide following AQ grants from SYSTEM user

GRANT CONNECT, RESOURCE TO Xxnuc\_logging;

GRANT EXECUTE ON DBMS\_AQADM TO Xxnuc\_logging;

GRANT Aq\_administrator\_role TO Xxnuc\_logging;

GRANT EXECUTE ON dbms\_aq TO Xxnuc\_logging;

Note: If User name “**Xxnuc\_logging**” is altered following files have to be changed

* COMM\_AUDIT\_LOG.ugr
* COMM\_AUDIT\_LOG.sql
* COMM\_AUDIT\_LOG\_PKG.pkb
* CommonLoggingProviderAQAdapter\_aq.jca in CommonLogging SOA Service.

1. **Deploy PL-SQL Services listed in section** **2.1**

Common Logging PLSQL scripts are available at the following location:

<https://brmkea940.bar.nucorsteel.local:18080/svn/NextGen/branches/RB-1.0.x/soa/utilities/sql/CommonLogging>

* 1. Follow instructions as in “Read Me.txt”
  2. Please note the schema names will have to be changed in the following files -

1. xxnuc\_comm\_notifyEmailMsg.sql

2. xxnuc\_comm\_audit\_log\_pkg\_pkb.sql

1. **Deploying OMSI Schemas**

OMSI scripts are available at the following location.

<https://brmkea940.bar.nucorsteel.local:18080/svn/NextGen/branches/RB-1.0.x/soa/utilities/sql/OMSI>

These need to be executed to the “SOA Database” (Mock Env till OMSI DB is available for use).

1. **Deploy ADF Web Application listed in section** **2.1.**

SVN Location

<https://brmkea940.bar.nucorsteel.local:18080/svn/NextGen/branches/RB-1.0.x/soa/Implementation/Infrastructure/AuditLog/deploy/AuditLog.ear>

* 1. Open Weblogic Console and login with weblogic user
  2. Click "Lock & Edit" in Change Centre
  3. Click "Deployments" in Domain Structure
  4. Click "Install" in "Control" tab in "Summary of Deployments"
  5. Click "upload your file(s)" in Note Section
  6. Click "Browse" in "Deployment Archive"
  7. Navigate & Select to "AuditLog.ear" and click Open
  8. Click "Next"
  9. Click "Next" in Install Application Assistant
  10. Click "Next", make sure "Install this deployment as an application" is selected
  11. Select "SOA\_Server" and click "Next"
  12. Click "Next"
  13. Click "Finish"
  14. Click "Activate Changes" in "Change Center"
  15. Click "Deployments" in Domain Structure and confirm Application "AuditLog" state is "Active"

Note: Please follow standard process as laid out in project. Alternately above steps can be followed along with Groups\User Setups mentioned in **Section 2.3.**

## Server CONFIGURATION

1. **Creating User Groups**
   1. Click "Security Realms" in in Domain Structure
   2. Select Default Realm (i.e with Value of "Default Realms = true"
   3. Select "Users and Groups" tab
   4. Select "Groups" sub tab
   5. Click "New"
   6. Enter Following values

Name: ADFCommonLoggingAdminRole

Description: Common Logging Admin User Group

* 1. Click "OK"
  2. Click "New"
  3. Enter Following values

Name: ADFCommonLoggingReadOnlyRole

Description: Common Logging Admin User Group

* 1. Click "OK"

1. **Creating Admin Users in Weblogic**
   1. Click "Security Realms" in in Domain Structure
   2. Select Default Realm (i.e with Value of "Default Realms = true"
   3. Select "Users and Groups" tab
   4. Select "Users" sub tab
   5. Click "New"
   6. Enter Following values

Name: CommonLoggingAdmin

Description: Common Logging Admin User Group

Password: Welcome1

Confirm Password: Welcome1

* 1. Click "OK"
  2. Click on "CommonLoggingAdmin" User
  3. Select Tab "Groups"
  4. Tick "ADFCommonLoggingAdminRole" in "Available" and move to "Chosen"
  5. Click "Save"

1. **Creating Read Only Users in Weblogic**
   1. Click "Security Realms" in in Domain Structure
   2. Select Default Realm (i.e with Value of "Default Realms = true"
   3. Select "Users and Groups" tab
   4. Select "Users" sub tab
   5. Click "New"
   6. Enter Following values

Name: CommonLoggingGuest

Description: Common Logging Admin User Group

Password: Welcome1

Confirm Password: Welcome1

* 1. Click "OK"
  2. Click on "CommonLoggingGuest" User
  3. Select Tab "Groups"
  4. Tick "ADFCommonLoggingReadOnlyRole" in "Available" and move to "Chosen"
  5. Click "Save"

# OMSI Configuration

## OMSI Object creation

Execute following scripts to create objects in OMSI schema. (If OMSI does not have required Objects. Ideally we should get these objects from OMSI owner)

1. OMSI.SQL

## Data Extraction procedures

Execute the following scripts sequentially (Owner - Capgemini)

Connect to OMSI Instance

1. xxnuc\_omsi\_extracts\_objects.sql
2. xxnuc\_omsi\_extracts\_pkg\_pks.sql
3. xxnuc\_omsi\_extracts\_pkg\_pkb.sql

# MES tables creation

## Create scema and Data sources in Weblogic

Create following schema in SOA Database to mimic the MES system databases

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr No | Division | Username/Pass | DataSource Name | DataSource JNDI | DbAdapter JNDI |
| 1 | NSNE | <env>\_mes/Nucrdbdev9$ | mes\_nsne | jdbc/mes\_nsne | eis/DB/mes\_nsne |
| 2 | NCFNE | <env>\_mes\_ncfne/Nucrdbdev9$ | mes\_ncfne | jdbc/mes\_ncfne | eis/DB/mes\_ncfne |
| 3 | NCFWI | <env>\_mes\_ncfwi/Nucrdbdev9$ | mes\_ncfwi | jdbc/mes\_ncfwi | eis/DB/mes\_ncfwi |

## Execute table creation scripts

Execute the following scripts sequentially from \branches\RB-1.0.x\soa\utilities\sql\mes\Tables location in SVN

1. L2\_GME\_BATCH\_HEADER.sql
2. L2\_GME\_BATCH\_DETAILS.sql
3. L2\_GME\_BATCH\_STEPS.sql

# NICE LABEL FTP server configuration

Create FTP connection in FTP Adapter as per below information.

|  |  |
| --- | --- |
| JNDI Name | eis/Ftp/HAFtpNiceLabelAdapter |
| Host | rzmkem914.rz.nucorsteel.local (As per Environment) |
| Port | 21 (As per Environment) |
| Username | SOAUSER (As per Environment) |
| PrivateKey File | NextGen@2016! (As per Environment) |
| ControlDir | /data/SOA/dv1/control (As per Environment) |

# Email driver configuration

Steps for configuring Email Driver for Notification on weblogic server

1. Go to the Oracle Enterprise Manager Fusion Middleware Control Console (typically

http:// <machine name> :< port>/em)

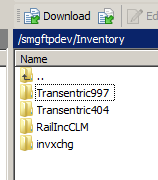
1. On the left side pane, expand <Farm\_FSOAD\_domain> node. Expand “User Messaging Service” node.
2. Click on “Usermessagingdriver-email”. On the Right side pane, select the option Email Driver Properties:
3. The properties that need to be configured for sending emails are indicated in the red rectangle. They are:
   1. OutgoingMailServer – mailx.ds.<<Client Name>>.com*.*
   2. OutgoingMailServerPort – 25
   3. OutgoingMailServerSecurity – e.g: *None*
   4. OutgoingDefaultFromAddress (optional) – *orafsoad@wrpsoad.<<Client Name>>.com*
   5. OutgoingUsername – orafsoad
   6. OutgoingPassword – user level OS password.
4. Press Apply.
5. On the left side pane right click on soa-infra
6. Navigate to SOA Administration 🡪 Workflow Properties
7. On the right side pane select the “Email” in the Notification mode drop down list.
8. In the Notification service update the following email addresses:-
   1. From Address: [noreply@<envname>.com](mailto:noreply@%3cenvname%3e.com)
9. Press Apply.

To have these settings take effect, the Server has to be restarted

# MoveIt FTP server configuration

Create FTP connection in FTP Adapter as per below information.

Create a Physical directory as per below screenshot.



|  |  |
| --- | --- |
| JNDI Name | eis/Ftp/HAFtpMoveIt |
| Host | brbhmmoveit.bar.nucorsteel.local |
| Port | 21 |
| Username | smgftpdev |
| PrivateKey File | Update with Nice server details (As per environment) |
| ControlDir | /data/SOA/mycontroldir (As per environment) |

# Rejected directories in SOA server

Create Directories in SOA local file server as per below list

|  |  |  |  |
| --- | --- | --- | --- |
| CEMLI ID | NAME | Environment | location |
| I125 | NUC\_ReadShippingExcep\_RailInc\_OTM\_ABF | DEV | /data/SOA/ftpzone/dv0/RailInc/Rejected |
|  | |  | /data/SOA/ftpzone/dv1/RailInc/Rejected |
| /data/SOA/ftpzone/dv2/RailInc/Rejected |
| FTST | /data/SOA/ftpzone/ts1/RailInc/Rejected |
|  | /data/SOA/ftpzone/ts2/RailInc/Rejected |
| SIT/UAT | /data/SOA/ftpzone/st1/RailInc/Rejected |
|  | /data/SOA/ftpzone/st2/RailInc/Rejected |
| /data/SOA/ftpzone/st3/RailInc/Rejected |
| Prod | /data/SOA/ftpzone/prod/RailInc/Rejected |
| I135 | NUC\_ReadBOLAck\_Transentric\_OTM\_ABF | DEV | /data/SOA/ftpzone/dv0/Transentric/Rejected |
|  | |  | /data/SOA/ftpzone/dv1/Transentric/Rejected |
| /data/SOA/ftpzone/dv2/Transentric/Rejected |
| FTST | /data/SOA/ftpzone/ts1/Transentric/Rejected |
|  | /data/SOA/ftpzone/ts2/Transentric/Rejected |
| SIT/UAT | /data/SOA/ftpzone/st1/Transentric/Rejected |
|  | /data/SOA/ftpzone/st2/Transentric/Rejected |
| /data/SOA/ftpzone/st3/Transentric/Rejected |
| Prod | /data/SOA/ftpzone/prod/Transentric/Rejected |
| I109 | NUC\_ASNQualityResults\_Suppliers\_EBS\_ABF | DEV | /data/SOA/ftpzone/dv0/ASN/Supplier/rejected |
|  |  |  | /data/SOA/ftpzone/dv1/ASN/Supplier/rejected |
|  |  |  | /data/SOA/ftpzone/dv2/ASN/Supplier/rejected |
|  |  | FTST | /data/SOA/ftpzone/ts1/ASN/Supplier/rejected |
|  |  |  | /data/SOA/ftpzone/ts2/ASN/Supplier/rejected |
|  |  | SIT/UAT | /data/SOA/ftpzone/st1/ASN/Supplier/rejected |
|  |  |  | /data/SOA/ftpzone/st2/ASN/Supplier/rejected |
|  |  |  | /data/SOA/ftpzone/st3/ASN/Supplier/rejected |
|  |  | Prod | /data/SOA/ftpzone/prod/ASN/Supplier/rejected |